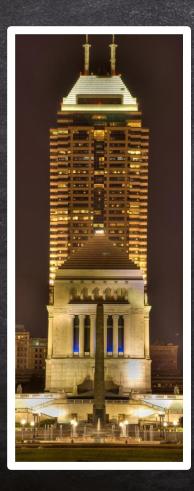# THE EDU-NOMIC IMPERATIVE

Kris McAloon | TitleCon 2019 | April 22-24, 2019
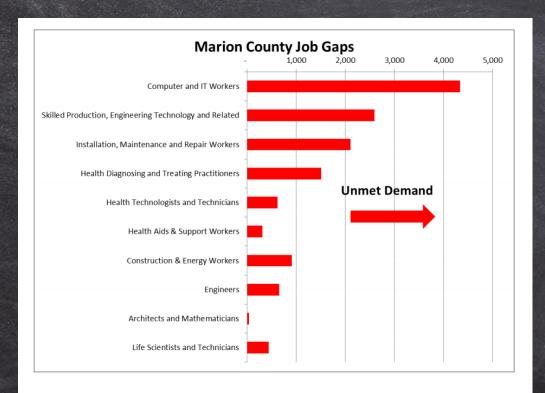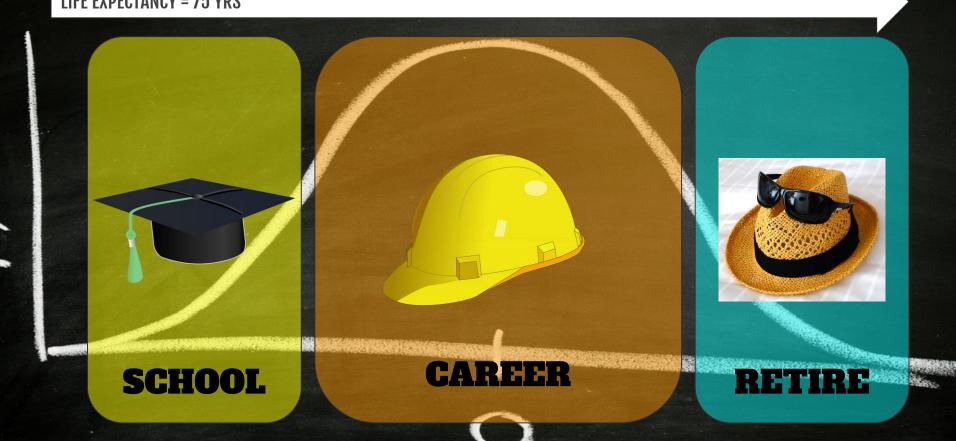
THE EDU-NOMIC IMPERATIVE

Figure 2. STEM Skill Gaps for Marion County Jobs, defined as anticipated job openings minus the number of students in pathways for those jobs (adapted from FutureWorks).

THE EDU-NOMIC IMPERATIVE

GRANDMA MARGE
1925-2017

Born	1925	1987
Graduated	1943	2005
Junior Year HS Schedule	○ Geometry ○ Chemistry ○ Literature ○ US History ○ Speech ○ Theater	○ Algebra 2 ○ Chemistry ○ Literature ○ US History ○ Choir ○ Theater

THE EDU-NOMIC Imperative

LIFE EXPECTANCY = 75 YRS

SCHOOL

CAREER

RETIRE

THE EDU-NOMIC IMPERATIVE

PREPARING STUDENTS FOR THE NEW ECONOMY

DISPLACEMENT &

HYBRID JOBS

Field Expertise

+ Agile Learning
+ Technology Augmentation

_____

SUCCESS

Lifelong Learning

METROPOLITAN SCHOOL DISTRICT
LAWRENCE TOWNSHIP
STEM⁴ ALL

Link to 2018 LT-STEM for ALL Teaser

LT STEM for ALL Initiative

Beginning in February of 2017, a 45 member coalition of parents, teachers, administrators and community partners met to take a close look at how MSDLT might provide STEM learning experiences for all students. The work primarily focused on the elementary levels where there is tremendous variance in access to STEM curriculum. The coalition embarked on a robust research and development project that included a nationwide review of STEM models and systems.

The result was a series of Nine Strategic Objectives that were approved by the School Board in March of 2018.

METROPOLITAN SCHOOL DISTRICT
LAWRENCE TOWNSHIP
STEM⁴ ALL

9

STRATEGIC OBJECTIVES

1 ALIGNED DEFINITION OF "STEM"
Who are you and why are you here? Keep it short and sweet.

2 INTEGRATED STEM CURRICULUM (K-6)
Show the people behind the idea and briefly describe their role.

3 STEM TEACHER SUPPORT NETWORK
What problem are you trying to solve? Is it really a problem?

4 STEM COORDINATOR
What makes your solution special? How are you different from others?

5 STEM ADVISORY COUNCIL
Describe how are you planning to solve the problem.

6 COMPUTER SCIENCE STRATEGY
How does your product or service actually work? Show some examples.

7 PROJECT LEAD THE WAY - PATHWAY
Know, or at least attempt to predict the size of your target market.

8 MAKER-SPACE INVESTMENT
What are the alternative solutions to the problem you are trying to solve?

9 STEM GRADUATION PATHWAYS
How are you planning to make money? Show a schedule when you expect revenues to pour in.

THE EDU-NOMIC IMPERATIVE

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